



T-Mac® Portable Earthing Equipment

Maintenance

Maintenance:

Every set of **T-Mac®** portable earthing equipment must be handled and stored with care to ensure it remains capable of achieving its full rating during its service life.

Maintenance includes periodic visual inspection of all components, cleaning of conductor clamps, cables and cleaning of insulating sticks. Although the connections are engineered for long life in service, particular care should be taken to ensure that strands are not broken in the vicinity of the cable lugs.

If a set of portable earthing and short-circuiting equipment has been subjected to fault current, it should be removed from service immediately and disposed of.

Service Considerations:

Users must determine the design fault level for which their earthing and short-circuiting equipment must be rated. There are several decisions to be taken in this regard -

1. the maximum short-circuit current and corresponding fault clearing time;
2. the maximum earth-fault current and corresponding fault clearing time (may be different from the short circuit current);
3. if reduced earth fault current rating is allowed, commence risk assessment in case any neutral fault current limiting devices are bypassed; and
4. a decision whether earthing and short-circuiting equipment should be rated for automatic reclosure of supply circuit breakers.

If full rating is required when neutral fault current limiting is bypassed, or if auto-reclose is to be allowed for, then the size of the earthing and/or short-circuiting cables must be increased accordingly.

Conformance with legislation:

Users should be aware that application, use and maintenance of portable earthing and short-circuiting equipment may be regulated by government legislation or codes of practice.

Users should ensure that all applicable regulations and legislative requirements are complied with when selecting, using and maintaining **T-Mac®** earthing and short-circuiting equipment.